

SEQUENCE LISTING

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Heck, Gregory
Rodriguez, Damian

<120> Methods for Making Plants Tolerant to Glyphosate and Compositions
Thereof

<130> 11898.0019.00DVUS02 (MOBS019--2)

<140> PCT/ US01/07135

<141> 2001-03-06

<150> 60/188,093

<151> 2000-03-09

<150> 09/800,130

<151> 2001-03-06

<160> 16

<170> PatentIn version 3.2

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22

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Val Lys Ala Glu His Ser Asp Ser
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 actgtggtgg ataacctttt aaacagttag gacgtccact acatgctcgg ggccctgaaa 180
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 ggtggcaagt tcccagttga gaaggatgag aaagaggagg tgcagctctt cttggggaat 300
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 cagtacttga gtgccttgct gatggctgct ctttagctc ttggggatgt ggagattgaa 600
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tttggcgtga aagcagagca ttctgatagc tgggacagat tctacatcaa gggaggtcaa      720
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Val Val Lys Leu Pro Gly Ser Lys Ser Leu Ser Asn Arg Ile Leu Leu
20           25           30

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Leu Ser Ala Leu Ala Glu Gly Thr Thr Val Val Asp Asn Leu Leu Asn
35           40           45

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Ser Glu Asp Val His Tyr Met Leu Gly Ala Leu Lys Thr Leu Gly Leu
50           55           60

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Ser Val Glu Ala Asp Lys Ala Ala Lys Arg Ala Val Val Val Gly Cys
65           70           75           80

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Gly Gly Lys Phe Pro Val Glu Lys Asp Ala Lys Glu Glu Val Gln Leu
85           90           95

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Phe Leu Gly Asn Ala Gly Thr Ala Met Arg Ser Leu Thr Ala Ala Val
100 105 110

Thr Ala Ala Gly Gly Asn Ala Thr Tyr Val Leu Asp Gly Val Pro Arg
115 120 125

Met Arg Glu Arg Pro Ile Gly Asp Leu Val Val Gly Leu Lys Gln Leu
130 135 140

Gly Ala Asp Val Asp Cys Phe Leu Gly Thr Asp Cys Pro Pro Val Arg
145 150 155 160

Val Lys Gly Ile Gly Gly Leu Pro Gly Gly Lys Val Lys Leu Ser Gly
165 170 175

Ser Ile Ser Ser Gln Tyr Leu Ser Ala Leu Leu Met Ala Ala Pro Leu
180 185 190

Ala Leu Gly Asp Val Glu Ile Glu Ile Ile Asp Lys Leu Ile Ser Ile
195 200 205

Pro Tyr Val Glu Met Thr Leu Arg Leu Met Glu Arg Phe Gly Val Lys
210 215 220

Ala Glu His Ser Asp Ser Trp Asp Arg Phe Tyr Ile Lys Gly Gly Gln
225 230 235 240

Lys Tyr Lys Ser Pro Lys Asn Ala Tyr Val Glu Gly Asp Ala Ser Ser
245 250 255

Ala Ser Tyr Phe Leu Ala Gly Ala Ala Ile Thr Gly Gly Thr Val Thr
260 265 270

Val Glu Gly Cys Gly Thr Thr Ser Leu Gln Gly Asp Val Lys Phe Ala
275 280 285

Glu Val Leu Glu Met Met Gly Ala Lys Val Thr Trp Thr Glu Thr Ser
290 295 300

Val Thr Val Thr Gly Pro Gln Arg Glu Pro Phe Gly Arg Lys His Leu
 305 310 315 320

Lys Ala Ile Asp Val Asn Met Asn Lys Met Pro Asp Val Ala Met Thr
 325 330 335

Leu Ala Val Val Ala Leu Phe Ala Asp Gly Pro Thr Ala Ile Arg Asp
 340 345 350

Val Ala Ser Trp Arg Val Lys Glu Thr Glu Arg Met Val Ala Ile Arg
 355 360 365

Thr Glu Leu Thr Lys Leu Gly Ala Ser Val Glu Glu Gly Leu Asp Tyr
 370 375 380

Cys Ile Ile Thr Pro Pro Glu Lys Leu Asn Val Thr Ala Ile Asp Thr
 385 390 395 400

Tyr Asp Asp His Arg Met Ala Met Ala Phe Ser Leu Ala Ala Cys Ala
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Asp Val Pro Val Thr Ile Arg Asp Pro Gly Cys Thr Arg Lys Thr Phe
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Pro Asp Tyr Phe Asp Val Leu Ser Thr Phe Val Lys Asn
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Ala Ile Pro Tyr Gly Gly Arg Gly Gly Gly Gly Ala
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36

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Cys Asn Pro Asp Ala Asn Lys
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Thr Ala Leu Ser His Arg Pro Arg
1 5

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Leu Arg Ile Leu Cys Ala Cys Leu Met Lys Arg Val
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Ser Ala Gly Lys Cys Leu Thr Leu Thr Leu Leu
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36